

CLAIMS

1. Portable platform (10) for use in the manufacture of gaskets, comprising a shaft connected to a motor and to receive at least one mandrel, and a surface to receive at least one molding tool, the mandrel being activated by the motor turning in relation to the platform and to the tool, and moving the gasket-forming elements to be processed by the tool; the mandrel and the tool being replaceable, respectively, by another mandrel and another tool with different characteristics.

10 2. Portable platform, in accordance with claim 1, characterized by the fact the mandrel is a first roller (5), connected to the shaft, and a tool consisting of a pressing device, connected to the surface, and at least one second roller (6), which is free to turn and connected only to the device, the pressing device inducing it at least to a second roller (6) so that the side edges press the elements moved (1a, 1b) against the side edges of the first roller (5).

15 3. Portable platform, in accordance with claim 2, in which the pressing device consists of an assembly formed by a support base, mounted on a platform surface (10) and supporting a compressed air piston (8), whose mobile end is connected to the second roller (6).

20 4. Portable platform, in accordance with claim 3, in which a support base is angle bracket with one of its surfaces supporting the compressed air piston (8) and the other fitting into the platform.

5. Portable platform, in accordance with claim 4, in which as much the first mandrel as the angle bracket are respectively connected to the shaft and to the platform surface, by means of bolts.

25 6. Portable platform, in accordance with claim 4, in which the side edges of the first (5) and second roller (6) possess a transversal V-section, these being cooperative with one another, when pressing the referred elements.

7. Portable platform, in accordance with claim 1, in which the elements that form the gasket are two strips (1a, 1b), at least one being metallic.

30 8. Portable platform, in accordance with claim 7, in which the elements that form the gasket are two strips (1a, 1b), one being metallic and the other of graphite material.

9 Portable platform, in accordance with claim 7, comprising a second platform

(2), adjacent to the first (10), featuring a pair of rolls, from which the strips are fed to the mandrel.

10. Portable platform, in accordance with claim 10, in which a second platform (2) comprising two pairs of rollers (4), respectively set apart from each of the rolls to form and guide the strips (1a, 1b), as these are being unrolled from the rolls.

5 11. Portable platform, in accordance with claim 11, in which each pair of rollers (4) possesses cooperative side edges with a transversal V-section.

12. Portable platform, in accordance with claim 2, wherein the at least second roller comprises two rollers, which are free to turn and adjacently disposed to form to
10 press the elements against the first roller (15).

13. Portable platform, in accordance with claim 12, in which the tool comprises an assembly formed by a support base, mounted on a platform surface (10) and supporting a rack (17), activated by a lever (16) and connected to a rod, at whose ends two rollers (13, 14) are respectively attached, such that these are moved by
15 rack (17), in relation to the first roller (15), such that its side edges press the elements (12) moved against the side edges of the first roller (15).

14. Portable platform, in accordance with claim 13, in which the pressing device consists of an assembly formed by a support base, mounted on a platform surface (10) and on which a rack (17) activated by a lever (16) is placed and connected to a rod, substantially perpendicular to the rack, at whose ends each one of the two rollers (13, 14) is respectively attached, such that these are moved by the
20 rack (17), in relation to the first roller (15).

15. Portable platform, in accordance with claim 14, in which a support base and an angle bracket with one of its surfaces supporting the rack (17) and the other fitting into the platform.
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16. Portable platform, in accordance with claim 15, in which as much the first roller as the angle bracket are respectively connected to the shaft and to the platform surface, by means of bolts.

17. Portable platform, in accordance with claim 13, characterized by the fact
30 the rollers (13, 14, 15) possess concave edges to mold the elements into a substantially round form.

18. Portable platform, in accordance with claim 13, characterized by the fact the elements consist of two metallic strips (12) with a third strip (12) between them.

19. Portable platform, in accordance with claim 1, in which the mandrel is turntable (22) for placement of the referred elements (23) and the tool is a rod attached to the surface and supporting a cutting device (21) to cut the elements (23), as they are revolved by the turntable (22).

5 20. Portable platform, in accordance with claim 19, in which a support rod is attached to the platform surface by means of support (20), which is fixed in relation to the platform, as the rod is mobile in relation to the support, to move the cutting device towards and away from the turntable.

10 21. Portable platform, in accordance with claim 20, characterized by the fact the cutting device is at least one blade.

22. Portable platform, in accordance with claim 20, characterized by the fact the elements consist of rubber, cork or compressed gasket sheet.

15 23. Portable platform, in accordance with claim 21, in which as much the turntable as the support are respectively connected to the shaft and to the platform surface, by means of bolts.

24. Portable platform, in accordance with claim 1, comprising the motor housing.

25. Portable platform, in accordance with claim 1, comprising a storage space with divisions to keep objects, especially tools.

20 26. Portable platform for use in the gasket manufacture, comprising a shaft connected to a motor and to receive at least one mandrel, and a surface to receive at least one tool, the mandrel being activated by the motor to turn in relation to the platform and to the tool, and to move the gasket-forming elements to be processed by the tool; the mandrel and the tool being replaceable respectively between the following mandrels and tools:

25 a) a mandrel comprising a first roller (5), connected to the shaft, and a tool consisting of an assembly formed by a support base, mounted on a platform surface (10) and supporting a compressed air piston (8), whose rod is connected to a second roller (6), which is free to turn, the piston inducing the second roller (6) so that its side edges press the elements (1a, 1b) moved against the side edges of the first roller (5);

30 b) a mandrel comprising a first roller (15) connected to the shaft, and a tool consisting of an assembly formed by a support base, mounted on a platform surface (10) and supporting a rack (17), activated by a lever (16) and connected to a rod, at

whose ends two rollers (13, 14) are respectively attached, such that these are moved by rack (17), in relation to the first roller (15), such that its side edges press the elements (12) moved against the side edges of the first roller (15);

c) a mandrel comprising a turntable (22) for placement of the referred
5 elements (23), and the tool comprising a rod with one end attached to the platform surface and the other end supporting a cutting device (21) to cut the elements (23), as they are revolved by turntable (22).